

### Abstract of the Disclosure

A write precompensation amount setting method and apparatus comprise a function detecting the respective  
5 head characteristics with an electric current used at an ordinary temperature and a irregular electric current, and a function setting an optimum write precompensation amount at a low temperature according to the detected head characteristics.

10 As a result, a write precompensation amount is corrected according to the characteristics of the normal current and the irregular current, and a write precompensation amount is determined, so that the write precompensation amount with higher accuracy than that  
15 with a conventional technique can be determined.